



16152 U.S. PTO

34088US

22386 U.S. PTO  
10/735562



**IN THE UNITED STATED PATENT AND TRADEMARK OFFICE**

In re Application of: Uday T. Turaga and Jason J. Gislason

For: DESULFURIZATION AND NOVEL COMPOSITIONS FOR SAME

**LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attached hereto for filing in the United Stated Patent and Trademark Office is the patent application identified above. This application includes an executed assignment and 0 sheet(s) of drawings.

The filing fee has been computed as follows:

Basic Fee	\$770.00
<b>Additional Fees:</b>	
Total Number of claims (whether independent or dependent over 20, times \$18.00	\$1,008.00
Number of independent claims over 3, times \$86.00	000.00
Multiple Dependent Claims (\$290)	000.00
<b>TOTAL</b> Filing Fee	\$1,778.00

Please charge Deposit Account 16-1575 in the amount of the total filing fee stated above. The Commissioner is hereby authorized to charge any additional fees which may be required under 37 CFR 1.16 or 37 CFR 1.17, or credit any overpayment, to Deposit Account 16-1575, but is not authorized to charge any fee provided for under 37 CFR 1.18.

If the Examiner wishes to contact representatives of record concerning the accompanying application prior to the first Official Action, such contact should be made with the undersigned.

The following references are called to the Examiner's attention:

U.S. Patent 3,242,069 discloses preparation of improved cracking catalysts containing silica and alumina.

U.S. Patent 4,377,504 discloses gallium compounds being employed to modify hydrocarbon-cracking catalysts.

U.S. Patent 4,415,440 discloses gallium compounds being employed to modify hydrocarbon-cracking catalysts.

U.S. Patent 4,746,763 discloses a process for producing aromatic compounds from C2 to C6 aliphatic hydrocarbons.

U.S. Patent 5,360,536 discloses a process for removing sulfur containing compounds from various liquid organic feed streams.

U.S. Patent 5,807,799 discloses a composition, which comprises a platinum promoted zeolite and a gallium promoted zeolite

U.S. Patent 6,150,300 discloses a process to produce a sorbent comprising: mixing a composition that comprises silica, a composition which comprises metal oxide, and a composition that comprises zinc oxide, to form a first mixture; and stirring the first mixture to form particles having a diameter from about 10 micrometers to about 1000 micrometers.

U.S. Patent 6,274,533 discloses sorbent systems for the desulfurization of cracked gasoline, which are comprised of a bimetallic promoter and a particulate support such as that formed of zinc oxide and an inorganic or organic carrier.

Respectfully submitted,

RICHMOND, HITCHCOCK,  
FISH & DOLLAR

By   
Bronwyn A. Welvaert  
Registration No. 52,350

BAW/adh

RICHMOND, HITCHCOCK  
FISH & DOLLAR  
P.O. Box 2443  
Bartlesville, OK 74005  
1-918-661-0652

"Express Mail" Mailing Label Number:

EJ32268325US

Date of Deposit: 12 December 2003

I hereby certify that this fee letter is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated and is addressed to the Commissioner for Patents, Alexandria, VA 22313-1450, on

12 December 2003

(Date)

  
Bronwyn A. Welvaert

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Uday T. Turaga and Jason J. Gislason

For: DESULFURIZATION AND NOVEL COMPOSITIONS FOR SAME

"Express Mail" Mailing Label Number: EJ322669325US

Date of Deposit: December 12, 2003

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

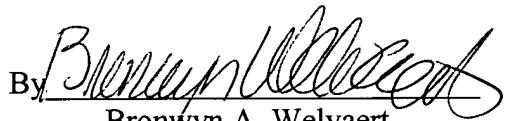
Commissioner for Patents  
Washington, D. C. 20231

Sir:

I hereby certify that this application is being deposited with the United States Postal Service "Express Mail Post Office To Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Respectfully submitted,

RICHMOND, HITCHCOCK,  
FISH & DOLLAR

By   
Bronwyn A. Welvaert  
Registration No. 52,350

RICHMOND, HITCHCOCK,  
FISH & DOLLAR  
P.O. Box 2443  
Bartlesville, Oklahoma 74005  
1-918-661-0652